09/405,299 (handwritten)

EIC 1700 (handwritten, right margin)
Search (handwritten)
Mey (handwritten)

```
=> fil reg
FILE 'REGISTRY' ENTERED AT 14:50:55 ON 05 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    4 APR 2006   HIGHEST RN 879269-14-4
DICTIONARY FILE UPDATES:   4 APR 2006   HIGHEST RN 879269-14-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

******************************************************************
*                                                                *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005.  A new display format, IDERL, is now  *
* available and contains the CA role and document type information. *
*                                                                *
******************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 14:50:57 ON 05 APR 2006
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FILE COVERS 1907 - 5 Apr 2006  VOL 144 ISS 15
```

MEI HUANG EIC1700 REM4B28 571-272-3952   04/05/2006

FILE LAST UPDATED: 4 Apr 2006   (20060404/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

        (FILE 'HOME' ENTERED AT 12:03:37 ON 05 APR 2006)

        FILE 'REGISTRY' ENTERED AT 12:03:48 ON 05 APR 2006
                    ACT WED852/A

L1   STR
L2   15977 SEA FILE=REGISTRY SSS FUL L1

L3   STR L1
L4   STR L3
L5   12 S L4 SAM SUB=L2
L6   STR L4
L7   38 S L6 SAM SUB=L2
L8   197 S L4 FUL SUB=L2 w/o
L9   834 S L6 FUL SUB=L2 w/.
                    SAV L8 YAM269S1/A
                    SAV L9 YAM269S2/A
L10   826 S L9 NOT PMS/CI
L11   49 S L10 AND 0-1/X
L12   194 S L8 NOT PMS/CI
L13   161 S L12 NOT 2-50/N
                    SAV L11 YAM269W/A
                    SAV L13 YAM269WO/A

        FILE 'HCAPLUS' ENTERED AT 14:20:43 ON 05 APR 2006
L14   46 S L11
L15   598 S L13
L16   4 S L15 AND COAT?
L17   42 S L15 AND P/DT
L18   35 S L17 AND (1907-2000)/PRY,AY
L19   563 S L15 NOT L18
L20   498 S L19 NOT (2000-2006)/PY

        FILE 'REGISTRY' ENTERED AT 14:40:08 ON 05 APR 2006
L21   STR L4
L22   6 S L21 SAM SUB=L2
L23   84 S L21 FUL SUB=L2
                    SAV L23 YAM269S3/A

        FILE 'HCAPLUS' ENTERED AT 14:43:35 ON 05 APR 2006
L24   296 S L23

        FILE 'REGISTRY' ENTERED AT 14:46:15 ON 05 APR 2006
L25   22 S L23 AND 1/NC w/o
L26   39 S L11 AND 1/NC w/

        FILE 'HCAPLUS' ENTERED AT 14:47:22 ON 05 APR 2006

MEI HUANG EIC1700 REM4B28 571-272-3952   04/05/2006

```
L27              216 S L25
L28               40 S L26
L29               18 S L27 AND P/DT
L30               13 S L29 AND (1907-2000)/PRY,AY
L31              198 S L27 NOT L29
L32              182 S L31 NOT (2000-2006)/PY
```
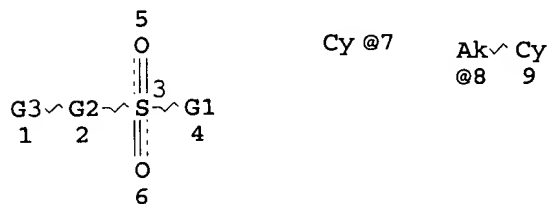
     FILE 'REGISTRY' ENTERED AT 14:50:55 ON 05 APR 2006

     FILE 'HCAPLUS' ENTERED AT 14:50:57 ON 05 APR 2006


```
=> d 125 que stat
L1                 STR

          5
          O              Cy @7      Ak⌣Cy
          ‖3                         @8   9
G3⌢G2⌢S⌢G1
1    2   ‖    4
          O
          6
```

VAR G1=OH/X
VAR G2=O/S/SE
VAR G3=7/8
NODE ATTRIBUTES:
CONNECT IS E2 RC AT   8
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS AT   7
GGCAT   IS SAT AT   8
GGCAT   IS UNS AT   9
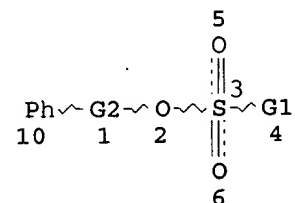DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
```
L2          15977 SEA FILE=REGISTRY SSS FUL L1
L21                STR

          5
          O
          ‖3
Ph⌢G2⌢O⌣S⌢G1
10   1   2  ‖   4
          O
          6
```

VAR G1=OH/X
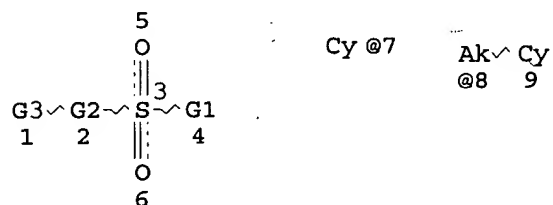REP G2=(0-8) CH2
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
L23   84 SEA FILE=REGISTRY SUB=L2 SSS FUL L21
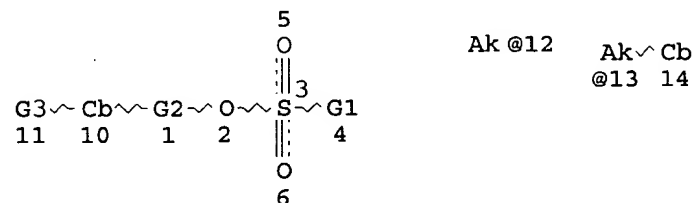L25   22 SEA FILE=REGISTRY L23 AND 1/NC

=> d 126 que stat
L1   STR

```
        5
        O              Cy @7      Ak⌒Cy
       ‖ 3                        @8   9
G3⌒G2⌒S⌒G1
 1   2  ‖     4
        O
        6
```

VAR G1=OH/X
VAR G2=O/S/SE
VAR G3=7/8
NODE ATTRIBUTES:
CONNECT IS E2 RC AT   8
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS   AT   7
GGCAT   IS SAT   AT   8
GGCAT   IS UNS   AT   9
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
L2   15977 SEA FILE=REGISTRY SSS FUL L1
L6   STR

```
            5
            O            Ak @12    Ak⌒Cb
           ‖ 3                     @13  14
G3⌒Cb⌒G2⌒O⌒S⌒G1
11   10   1   2  ‖     4
            O
            6
```

VAR G1=OH/X
REP G2=(0-8) CH2
VAR G3=12/13
NODE ATTRIBUTES:
CONNECT IS E2 RC AT   12
CONNECT IS E2 RC AT   13
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS   AT   10

```
GGCAT    IS SAT  AT   12
GGCAT    IS SAT  AT   13
GGCAT    IS UNS  AT   14
DEFAULT ECLEVEL IS LIMITED


GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   11


STEREO ATTRIBUTES: NONE
L9           834 SEA FILE=REGISTRY SUB=L2 SSS FUL L6
L10          826 SEA FILE=REGISTRY L9 NOT PMS/CI
L11           49 SEA FILE=REGISTRY L10 AND 0-1/X
L26           39 SEA FILE=REGISTRY L11 AND 1/NC
```

See L28 on Page 3

```
=> d 128 ibib abs hitstr hitind 1-40
```

```
L28   ANSWER 1 OF 40  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:          2004:654762  HCAPLUS
DOCUMENT NUMBER:           141:170429
TITLE:                     Intensified neutral loss tags and use thereof in
                           mass spectrometry
INVENTOR(S):               Wang, Poguang; Li, Guodong; Gao, Jianxin; Giese,
                           Roger W.
PATENT ASSIGNEE(S):        USA
SOURCE:                    U.S. Pat. Appl. Publ., 15 pp.
                           CODEN: USXXCO
DOCUMENT TYPE:             Patent
LANGUAGE:                  English
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004157344	A1	20040812	US 2003-741585	20031219
PRIORITY APPLN. INFO.:			US 2002-435179P P	20021219

```
AB    Ultrasensitive detection of a chem. substance (analyte) by mass
      spectrometry is achieved by employing a mol. tag that yields an
      intense parent ion and then an intense daughter ion in a multi-stage
      mass spectrometer.
IT    733040-51-2P
      RL: ARU (Analytical role, unclassified); SPN (Synthetic
      preparation); ANST (Analytical study); PREP (Preparation)
          (intensified neutral loss tags and use thereof in mass
          spectrometry)
RN    733040-51-2  HCAPLUS
CN    Phenol, 4-(bromomethyl)-, hydrogen sulfate (9CI)   (CA INDEX NAME)
```